

Status of building LBNE Software

The good:

- Build automation (worch) working well
- g4lbne
 - migrated the project to git
 - fixes to g4lbne's CMake installation system, version fixes
- full worch-build of LArSoft 1.00.02 on RACF

The bad:

- Collecting LArSoft 1.00.02 build information reveals Fermilab has deleted their build release notes. Told: “we’ve moved on already, we don’t have a place to save these kinds of things”.
- This is not the first occurrence of released materials being “disappeared” by Fermilab
- Attempting to work within the archaic Fermilab build system and support what are really local-Fermilab problems is untenable.

Much angst, complaining and checking want ads for a more reasonable job ensued. Outcome:

→ Paradigm shift.

UPS-free approach

The beauty:

- Ben Morgan and I started developing a “UPS-free” build system for art/larsoft
- If this succeeds the major (and artificial) tie to Fermilab build infrastructure is broken.
- Ben will focus on polishing the CMake replacement build system for art/larsoft that he has started.
- I will produce a worch suite that builds externals and integrate his version.
- Development is in GitHub¹ so we can assure files do not disappear.
- I expect this approach to be much easier in the near and long term.

¹<https://github.com/lbne>